

ALTEC
LANSING®

21
50 WATTS

SPEAKER SYSTEM

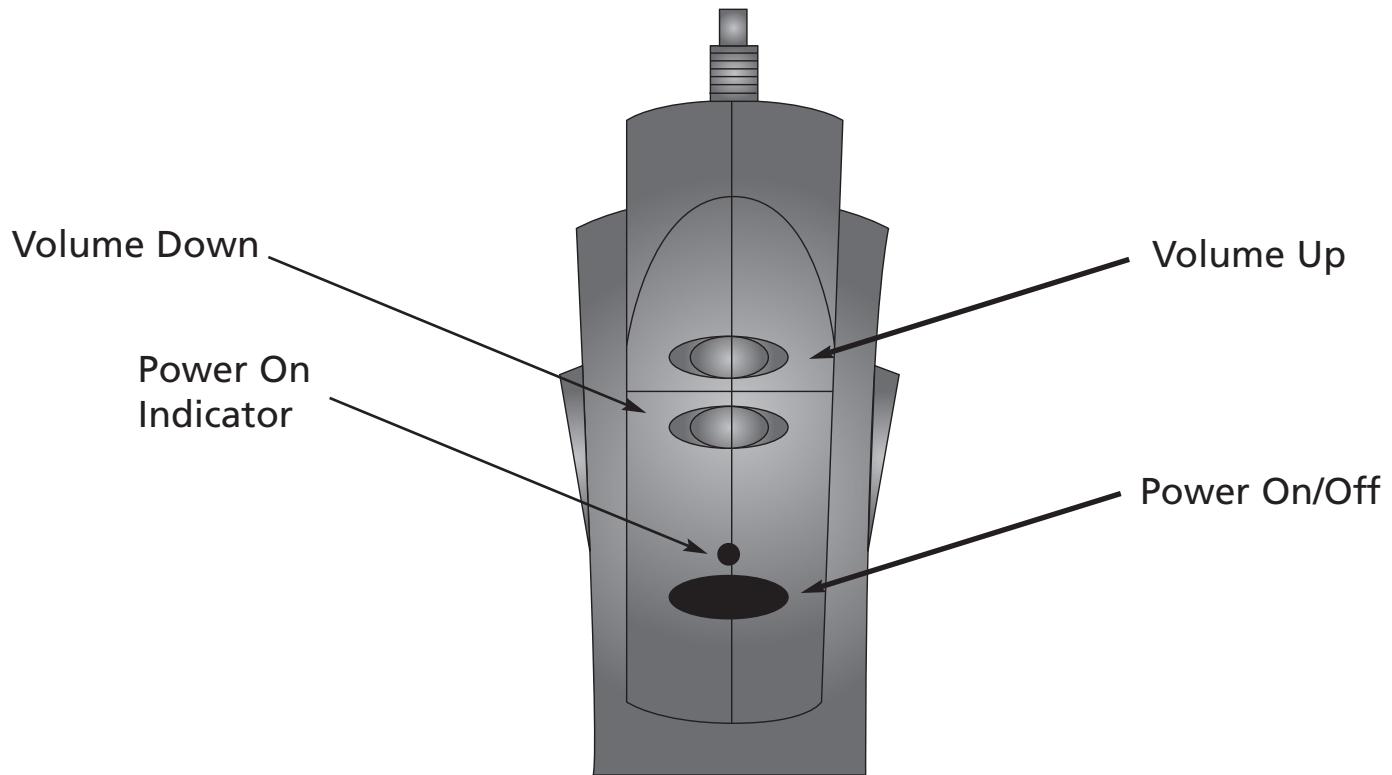
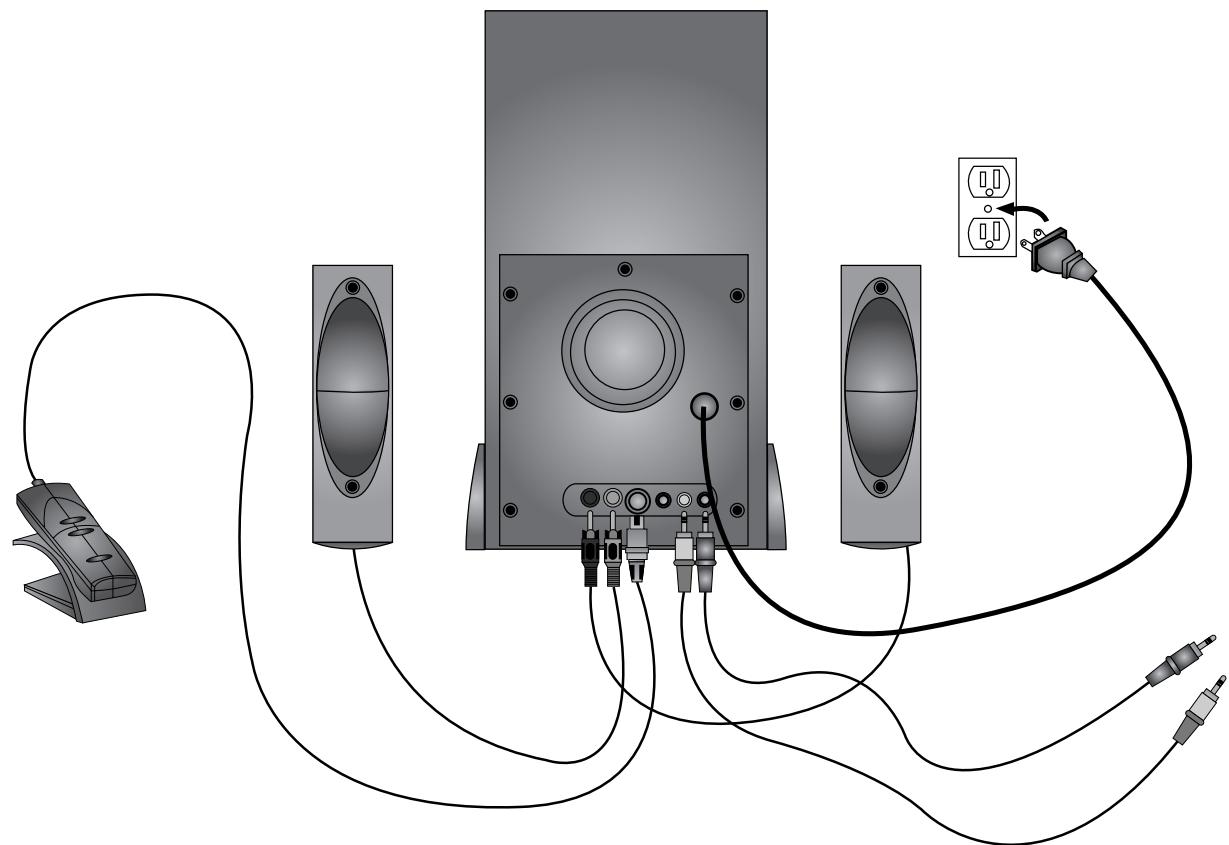
with Wired Digital Controller

User's guide
Mode d'emploi
Guía del usuario
Guia do Usuário



2100

Rear View





The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

SAFETY INSTRUCTIONS

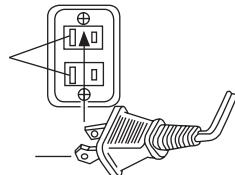
CAUTION

To prevent electric shock do not use this (polarized) plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

Long slot is neutral (ground) side.



Insert the wide blade into the ground side slot.

Read Instructions — All the safety and operating instructions should be read before the appliance is operated.

Retain Instructions — The operating instructions should be retained for future reference.

Heed Warning — All warnings on the appliance and in the operating instructions should be adhered to.

Follow Instructions — All operating and use instructions should be followed.

Water and Moisture — The appliance should not be used near water — for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

Outdoor Use — Warning: To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

Location — The appliance should be installed in a stable location.

Ventilation — The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or placed in a built-in installation, such as a closed bookcase or cabinet that may impede the flow of air through the ventilation openings.

Heat — The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

Power Sources — The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

Power-Cord Protection — Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them. Pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

Grounding or Polarization — The precautions that should be taken so that the grounding or polarization means of an appliance is not defeated.

Cleaning — The appliance should be cleaned only with a polishing cloth or a soft dry cloth. Never clean with furniture wax, benzene, insecticides or other volatile liquids since they may corrode the cabinet.

Non-Use Periods — The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

Lightning Storms - Unplug the appliance during lightning storms.

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

Caution: To prevent the risk of electric shock, do not remove cover (or back). No user-serviceable parts inside. Refer servicing to qualified service personnel.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Object and Liquid Entry — Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

Accessories - Only use attachments/accessories specified by the mfg.

Damage Requiring Service — The appliance should be serviced by qualified service personnel when:

- The power-supply cord or the plug has been damaged.
- Objects have fallen, or liquid has been spilled into the appliance.
- The appliance has been exposed to rain.
- The appliance does not appear to operate normally or exhibits a marked change in performance.
- The appliance has been dropped or the enclosure damaged.

Servicing — The user should not attempt to service the appliance. Servicing should be referred to qualified service personnel or returned to the dealer or call the Altec Lansing service line for assistance.

The FCC Wants You to Know

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- a) Reorient or relocate the receiving antenna.
- b) Increase the separation between the equipment and receiver.
- c) Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- d) Consult the dealer or an experienced radio/TV technician for help.

Modifications not expressly approved by the manufacturer could void the user authority to operate the equipment under FCC Rules.

Altec Lansing Technologies, Inc. warrants to the end user that all of its speaker systems are free from defects in material and workmanship in the course of normal and reasonable use for a term of one year from the date of purchase.

This warranty is the exclusive and only warranty in effect relative to Altec Lansing speaker systems and any other warranties, either expressed or implied, are invalid. Neither Altec Lansing Technologies, Inc. nor any authorized Altec Lansing Technologies, Inc. reseller is responsible for any incidental damages incurred in the use of the speakers. (This limitation of incidental or consequential damage is not applicable where prohibited.) Altec Lansing Technologies, Inc. obligation under this warranty does not apply to any defect, malfunction or failure as a result of misuse, abuse, improper installation, use with faulty or improper equipment or the use of the computer speaker systems with any equipment for which they were not intended.

The terms of this warranty apply only to speaker systems when such speakers are returned to the respective authorized Altec Lansing Technologies, Inc. reseller where they were purchased.

Under the terms of this warranty the original consumer purchases has certain legal rights and may have other rights which vary worldwide.

Altec Lansing Technologies, Inc. is a leader in the design, manufacture, marketing and support of high quality multimedia personal computer and home entertainment sound systems. As manufacturers of multiple award-winning systems for both design and sound quality, our products are at the forefront of emerging technologies.

INTRODUCTION

Welcome to the extraordinary world of Altec Lansing high fidelity sound.

The 2100 is an amplified multimedia speaker system delivering cutting edge design and technology. This system is designed to provide superior sound quality for a variety of personal audio devices such as MP3 players, DVD players, CD players, cassette players, personal computer systems and various other video/audio sources.

The Satellites' slim profile and tiny footprint free up valuable desktop/tabletop space, providing an unobtrusive yet powerful addition to your multimedia configurations.

FEATURE HIGHLIGHTS

- 50 Watts of total system power.
- 3 piece multimedia speaker system.
- 2 small-footprint Satellites each with 2 state of the art 1" (28 mm) Neodymium micro drivers.
- A Subwoofer designed with two 4" (102 mm) drivers for extended low frequency response.
- Separate Subwoofer volume control for fine-tuning system balance and overall system low volume/high volume performance.
- Separate wired System Controller unit allows optimum speaker placement without worrying about control access.
- A patented control circuit automatically boosts bass at low volume to maintain musical sound "realism".
- AAC1 Y-adapter included for easy connection to gaming consoles.

The Subwoofer is not magnetically shielded and should not be placed in close proximity to a computer monitor, television, or computer hard drive.

IMPORTANT

If you experience any difficulties with your speaker system, check the Troubleshooting section of this Guide. The answers to most setup and performance questions can be found there. If you cannot find the information you need, please call our customer service team for assistance before returning the speakers to your retailer under their return policy. We're available 7 days a week for your convenience:

Monday to Friday: 8:00 a.m. to 12:00 midnight

Saturday & Sunday: 9:00 a.m. to 5:00 p.m.

1-800-ALTEC-88 (1-800-258-3288)

CONNECTIONS:

Do not insert the power plug into an AC outlet until all connections are made.

COLOR CODING: Notice that the Input jacks on the subwoofer are color coded to prevent errors. The plugs that are inserted into these jacks have matching colors. As an example, the Left Satellite has a brown connecting plug. The plug is inserted into the Left jack with the brown color marking located at the rear of the Subwoofer. All other connections are made in the same way.

To insure first-time operation as expected, please follow the setup sequence below carefully in the order indicated:

1. Connect the orange plug from the 2100 RIGHT Satellite to the jack marked RIGHT at the rear of the Subwoofer.
2. Connect the brown plug from the 2100 LEFT Satellite to the jack marked LEFT at the rear of the right Satellite.
3. Connect the gray DIN plug from the System Controller into the gray DIN jack marked CONTROLLER on the Subwoofer. Note that the DIN plug has an arrow. The arrow should be face up for correct insertion into the DIN jack on the Subwoofer.

4. Turn off the audio source device (computer, portable music system, etc.). Shut computer systems down using the manufacturer's recommended procedures.

5. Connect the 6.5 ft. (5m) cable with lime green 3.5 mm stereo plugs on each end into the jack labeled FRONT on the Subwoofer and the other to the 3.5 mm output jack on your audio source.

NOTE: Console gaming systems have dual RCA outputs. Systems in this group are the Sony® PlayStation®, Sega® Dreamcast™, and Nintendo (64) gaming systems.

- a. Locate the AAC1 Y-adapter cable included with your 2100 speaker system. It has a lime green, a red and a white 3.5 mm (RCA) jack on the ends of the "Y" cable.
- b. Locate the 6.5 ft (5 m) cable with lime green 3.5 mm (RCA) stereo plugs on each end.
- c. Connect the lime green plugs to the input labeled MAIN on the back of the Subwoofer. Connect the lime green plug on the other end of this cable to the lime green jack on one end of the AAC1 Y-adapter cable.
- d. Locate the red and white 3.5 mm RCA plugs from your powered-off console gaming system gaming system. Connect them to the matching red and white jacks of the AAC1 Y-adapter cable.

6. Connect the power cord (at back of Subwoofer) to an AC Wall socket.

7. The unit is now ready to operate. Turn on the audio source device.

NOTE: Always turn on your audio source device before turning on your Altec Lansing 2100 Speaker System. If you turn on the speaker system before turning on the audio source, you will hear a loud POP sound when the audio device is turned on.

8. Turn on the Altec Lansing 2100 Speaker System. See USE OF CONTROLS below.

USE OF CONTROLS

POWER ON/OFF

The Power On/Off button is located on the System Controller. Press the Power button to turn on the speaker system. Push it again to turn the unit off. A green LED power indicator near the power on/off button will glow to show power is on.

VOLUME UP/DOWN CONTROLS

Press the Volume Up button on the System Controller to increase volume. Press the Volume Down button to decrease volume. Repeated pressing of the buttons changes the volume setting by increments.

SUBWOOFER VOLUME CONTROL (BASS LEVEL)

With the Subwoofer in the desired location, the Subwoofer Volume control is used to mix the level of the Subwoofer with the Satellite speakers. Mixing is usually done by playing a wide variety of music and speech and adjusting the control until a natural sound is obtained.

PLACEMENT OF SPEAKERS

All stereo information is heard from the Satellite speakers. The Subwoofer contains no stereo information and sound is non-directional. As a result, the Subwoofer does not necessarily have to be placed in any particular relationship to the Satellites. Placing the Subwoofer on the floor close to the wall provides maximum bass efficiency.

WARNING: The Subwoofer is not magnetically shielded. The Subwoofer should NOT be placed near video display devices such as a TV or computer monitor. The Subwoofer should NOT be placed near computer hard drives. Position the Subwoofer at least 2' (.6 m) away from computer hard drives, or any other media that uses magnetic encoding.

The Satellite speakers can be placed close to a video display (TV, computer monitor) without distorting the video image. Usually best stereo effect is obtained by placing speakers as far apart as their wiring allows. Sound effects may vary depending on how the recordings are made. Therefore, it is not unusual to rearrange the speakers from time to time until the listener finds which arrangement gives the best results.

SPECIFICATIONS

TOTAL AUDIO POWER:	50 Watts (26 Watts RMS)	POWER REQUIREMENTS
Frequency Response:	40 Hz - 20 kHz	USA/Canada/and applicable 120v 60Hz AC
Inputs:	Front	Latin American countries:
Signal to Noise Ratio @ 1 kHz input:	>65 dB	
System THD (distortion):	< 0.5 % THD @ -10dB full scaleinput voltage	Europe/United Kingdom; 230v 50Hz AC applicable Asian countries;
SATELLITE AMPLIFIED SPEAKERS		Argentina, Chile and Uruguay:
Speaker Drivers (per Satellite):	Two 1" (28 mm) micro drivers	ETL / cETL / CE / NOM / IRAM Approved
SUBWOOFER		
Speaker Drivers:	Two 4" (102 mm) drivers	

TROUBLESHOOTING TIPS

Find more troubleshooting tips in the FAQs located in the Customer Support area of our web site: www.alteclansing.com.

Q. When connected to my computer sound card, should I use the Windows volume control to adjust the volume of my speakers?

A. No. Adjust the Windows controls to about center as a starting point and then use the speaker controller to adjust volume control. If the volume is turned too high on the sound card, it can distort the sound.

Q. One, and sometimes both of my speakers do not work.

A. Check the input cable from speaker to the audio source and make sure that it is connected to the line-out jack, which is the un-amplified source. Make sure all the cables are plugged in correctly and have a good connection. Still not working? Then try unplugging the cable from the back of the computer, and insert the stereo plug into the headphone jack of an alternate source (e.g., Walkman, Discman or FM radio) and play music. If the speakers work, you may need to adjust your volume and balance controls in your audio source, or Windows, if connected to your computer's sound card

Q. My speakers give off a crackling sound (or static, or other noise). What could be wrong?

A. Check all cables and make sure that they are connected to line-out or audio-out jack on your sound card or other audio source, and NOT speaker-out. If your audio source is your computer, check the volume control in Windows: make sure that it is not set more than halfway. Setting this level too high can cause sound distortion. If this does not stop the noise, unplug the cable from the audio source and use an alternate source (e.g., Walkman, Discman or FM radio) by plugging the stereo cable into the headphone jack. If the noise goes away, you may have a problem with your audio source.

Q. What can cause radio feedback?

A. If you are living near a radio tower you could have interference caused by radio frequency. Try moving your speakers to see if the interference goes away; if not, you may be able to purchase a stereo cable from your local retailer that has a higher percentage of shielding.

Q. Can I hook my speakers to my TV or Stereo?

A. Yes, as long as your TV or Stereo has an unamplified source which is line-out (check your TV or Stereo owners manual). These speakers may be used with any audio device that has a stereo headphone jack. You may also need a cable that has RCA jacks on one end and a 1/8

inch stereo connector at the other end (these may be purchased at most local electronics stores).

Q. I have very little bass coming from my Subwoofer. How do I increase the bass output?

A. Adjust the BASS control through your audio sound source (computer sound card control, CD player control, etc.). Check to make sure that all of your cables are hooked up correctly and are making a good connection.

Q. I have a low hum coming from my Subwoofer. Is this normal?

A. Yes. The AC in your house is at 60 cycles per second, which is within the audio frequency of your subwoofer. Some low hum is natural and can be detected when your speaker system is powered on without source audio playing, or when volume is set at an extremely low level.

Q. I have a loud hum coming from my Subwoofer. What should I do?

A. Move the power cord from the power surge protector (if applicable) and plug directly into an AC wall outlet. Move your cables and check to see that they are making a good connection. If you disconnect your stereo cable from the audio source and the loud hum goes away, then you may need to adjust the volume control in your audio source as you may be overdriving the volume settings on your speaker system. If you are using your 2100 speakers with your computer system, just click on the speaker icon located next to the digital clock to the lower right of your Windows 9X or 2000 screen and adjust the volume.

Q. When I put my Subwoofer on my desk my monitor distorts. Why?

A. The Subwoofer is not magnetically shielded, and this can cause distortion if it is less than 3 feet from your monitor.

Q. Where should the volume control be set on my Subwoofer?

A. Start with it in the center position then adjust to your preference.

Q. The DIN connector from the controller has multiple pins on one end, and when trying to attach this cable I noticed that some of the pins are bent, so I am not able to insert the cable into Subwoofer. What should I do?

A. Try to gently straighten the pins with tweezers or very small pliers. If this does not work, then contact the Altec Lansing Consumer Support Department for further instructions.

TROUBLESHOOTING TIPS

SYMPTOM	POSSIBLE PROBLEM	SOLUTION
All LEDs are unlit	Power is not turned on	Press Power On button on the System Controller.
	AC cord is not connected to wall outlet	Verify the AC line cord from the back of the Subwoofer is plugged into the wall outlet.
	Surge suppressor (if used) is not powered on	If the AC line cord is plugged into a surge suppressor, make sure the surge suppressor is switched on.
	System Controller is not connected to the Subwoofer	Connect System Controller to Subwoofer.
	Wall outlet not functioning	Plug another device into the wall outlet (same jack) to insure it is functioning.
No sound from any speakers	Power is not turned on	Verify the AC line cord from the back of the Subwoofer is plugged into the wall outlet.
		Verify the Power On switch has been pressed (LED is illuminated).
	Volume setting is too low	Turn the rotary knob to the right to raise the system Master Volume.
		Check volume level on computer sound card or alternate audio source device and set at mid level.
	Audio cable is not connected to audio source	Connect audio cable from audio source, check plug connections on both subwoofer and source. Make sure these signal cables are inserted firmly into the correct jacks.
No sound from Subwoofer	Audio cable connected to wrong output on audio source	Make sure that the lime green 3.5 mm stereo jack is connected to the line-out jack of the audio source; make sure it is fully inserted.
	Problem with audio source device	Test the speakers on another audio device. Remove the audio cable from the audio source device and connect it to the line-out on another audio device or the headphone jack of another audio source device.
	Subwoofer volume is too low	If your model has a Subwoofer Volume control, try adjusting it to increase the Subwoofer volume. If your model offers a Bass Selector function on the System Controller, adjust Select Bass function and raise volume level.
Controller does not work	Sound source has very little low frequency content	If listening to .WAV files over a computer sound card connection, try listening to a CD on your computer CD or DVD player. .WAV files often have little low frequency content. Try a music signal with more bass.
	DIN connector not inserted in Subwoofer jack	Verify the gray DIN connector is firmly inserted into the DIN jack on the Subwoofer. Refer to the "Connections" section of your User's Guide for the correct position of the arrow on the DIN plug. It is important to insure the pins are aligned from plug to jack.
Sound is distorted.	Volume level set too high	Decrease the speaker system's master volume level.
	Windows volume control is set too high	Adjust the Windows volume and balance controls to the center as a starting point, then use the speaker controller to adjust the volume.
	Sound source is distorted	.WAV files are often of poor quality. So distortion and noise are easily noticed with high-powered speakers. Try a different sound source like a music CD.

FOR CUSTOMER SERVICE:

Call the Altec Lansing Customer Support Team at 1-800-258-3288

Support Hours: Monday to Friday: 8:00 a.m. to 12 midnight

Saturday & Sunday: 9:00 a.m. to 5:00 p.m.

United States – Eastern Standard Time

Email: csupport@alteclansing.com

For up to date information, please check our website at www.alteclansing.com

ONE YEAR LIMITED WARRANTY

Altec Lansing Technologies, Inc. warrants to the end user that all of its computer speaker systems are free from defects in material and workmanship in the course of normal and reasonable use for a term of one year from the date of purchase.

This warranty is the exclusive and only warranty in effect relative to Altec Lansing computer speaker systems and any other warranties, either expressed or implied, are invalid. Neither Altec Lansing Technologies, Inc. nor any authorized Altec Lansing Technologies, Inc. reseller is responsible for any incidental damages incurred in the use of the speakers. (This limitation of incidental or consequential damage is not applicable where prohibited.)

Altec Lansing Technologies, Inc. obligation under this warranty does not apply to any defect, malfunction or failure as a result of misuse, abuse, improper installation, use with faulty or improper equipment or the use of the computer speaker systems with any equipment for which they were not intended.

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